

**Original/Duplicate/Triplicate
CONTRACT CERTIFICATE**

No: First and Part Bill (For Other Works)

Date.....2020

Division: **Project**

Sub-Division:

Bill Received No.

Dated

Divisional
Sub Divisional

Cash Book Voucher No..... Dated.....
Work Code: 002-23-000002

Schedule Docket No.

Head of Account: P3877

Est.Cost- **950.00 Lakhs**

Name of Work: **PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants**

Name of Contractor and Full Address: **Sri. B B Umesha (M/s SMLP Asphalts)**

Reference to Workorder No: **EE(Project)/Ynk Zone/WO/0014/2021-22**

Date: **03-09-2022**

Certified that the measurements were taken by me on 2/11/2022 and recorded of Pages 637901 to 637904 of measurement Book No. 02/22-23 and that the work is satisfactorily executed.

[Signature]
Contractor

[Signature]
Officer-in-charge of work

Certified that the measurement were taken by me on 2/11/2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being percent Rs.....
- 3) " " Balance
- 4) Deduct Payment:
 - a) Amount of previous payment as in the Office Cash Book Voucher
No.....Dated.....S.D. No..... Amount adjusted
towards cash advance recovery of
 - b) Payments } cost store or other material supplied.
Now made } recovery of amount creditable to this/other work
Amount paid on this bill Cheque / Cash.
- 5) Balance being unpaid value of work done held in reserve.
- 6) Deduct cash advance made on the Office cash Book Voucher No.....
dated.....less adjustments.
- 7) Net amount due to or from Contractor unadjustments items.
- 8) Advance to Contractor for materials brought to site (as detailed) within.
- 9) Value of Government materials supplied.

Total amount adjusted -

Asst. Executive Engineer
Sub-Division Officer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92
7632700-00
152700-00
68200-00
68200-00
7700-00
76400-00
31100-00
404300-00
7228400-00
[Signature]
Contractor's Signature

Received Rs..... (in words).....

by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Witness

- 1.
- 2.

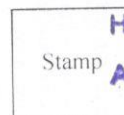
Dated *[Signature]* Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment



Head of Account..... 3877

Audited & admitted for Rs...... 7632700-00

7228400-00

Executive Engineer
and Rs...... 404300-00 **by Adjustment**

[Signature]
Asst. Clerk
Project Division

[Signature]
Asst. Supdt.
Project Division
B.B.M.P.

[Signature]
Exe. Engineer
Project Division
B.B.M.P.

BILL OF QUANTITIES

Sl. No.	Specifications	Unit	Approved BQ Qty	Since Previous Bill			Work Executed Present Bill			Upto Date Bill		Remarks
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount		
1	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	70.55	-	-	55.34	900.00	49806.00	55.34	49806.00		
2	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge. In cement mortar	Cum	216.66	-	-	0.00	1476.00	0.00	0.00	0.00		
3	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness. By Manual Means In area of light jungle	Ha	0.28	-	-	0.00	192664.00	0.00	0.00	0.00		
4	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work. In all kinds of soils Depth upto 1.5 m	Cum	389.17	-	-	0.00	205.00	0.00	0.00	0.00		
5	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8 (M5) Using 40 mm nominal size graded crushed coarse aggregates	Cum	396.11	-	-	0.00	6135.00	0.00	0.00	0.00		
6	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	717.56	-	-	0.00	6206.32	0.00	0.00	0.00		
7	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Available Stone)	Cum	108.33	-	-	0.00	4764.69	0.00	0.00	0.00		
8	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	490.66	-	-	0.00	6782.98	0.00	0.00	0.00		
9	Providing and laying heavy duty cobble stones 65mm thick interlock pavers, using cement and coarse sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications.	Sqm	1472.75	-	-	0.00	1243.59	0.00	0.00	0.00		
10	Removing and Resetting of Cobblestone	Sqm	1082.15	-	-	0.00	434.92	0.00	0.00	0.00		



Sl. No.	Specifications	Unit	Approved BOQ Qty	Work Executed						Remarks
				Since Previous Bill		Present Bill		Up to Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	
11	Providing and laying in position Reinforced cement concrete for all Foundation works The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes. labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	24.30	-	-	0.00	7132.47	0.00	0.00	
12	Removing and resetting of kerb stones	m	685.08	-	-	0.00	134.94	0.00	0.00	
13	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc. complete	Nos	5771.00	-	-	0.00	580.54	0.00	0.00	
14	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	1148.84	-	-	0.00	97.08	0.00	0.00	
15	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq. Hollow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*75mm galvanized flat for around frame and 20mm*20mm galvanized- forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of thorough flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flat, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour, machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work.	Sqm	2134.44	-	-	0.00	16265.75	0.00	0.00	
16	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72*72*4.8mm Sq. GI Pipe frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq rods and heads at top, middle and bottom. Intermediate supports of 75*12mm and 50*6mm arch bent to hot dip galvanised flats the work is inclusive of thorough GI flat GI sq rods, placing welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq pipe, GI sq rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq block assembled with 20mm dia bearing in the three places for each flop. Heavy duty locking arrangements at low places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge. Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, grinding the edge to half/full round wherever required, labour, curing complete as per specification.	Sqm	44.64	-	-	0.00	22218.70	0.00	0.00	
17		Sqm	362.26	-	0.00	0.00	1303.78	0.00	0.00	



Sl. No.	Specifications	Unit	Approved BOQ Qty	Work Executed						Remarks
				Since Previous Bill		Present Bill		Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	
18	Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern on steel frame work complete.	Sqm	251.17	-	0.00	0.00	299.01	0.00	0.00	
19	Executive Bench- Made out of Sadarahalli grey granite stone with hand supports with 3 line finishing with arch/plain design with 100mm slabs. Height 90x Length 1500 width 45 cms (1.50 * 0.45 * 0.90m) (Including lead and lift charges) (Inclusive of all taxes) As per the direction of Engineer Incharge	each	72.00	-	0.00	0.00	18940.31	0.00	0.00	
20	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.	Cum	3.98	-	0.00	0.00	460.16	0.00	0.00	
21	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	12.11	-	0.00	0.00	7488.75	0.00	0.00	
22	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse	Cum	45.38	-	0.00	0.00	7518.85	0.00	0.00	
23	Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure /Superstructure complete as per Drawing and Technical Specifications.	Tonne	3.92	-	0.00	0.00	107945.19	0.00	0.00	
24	Providing 15 mm cement plaster on the rough side of single or half brnck wall of mix :1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	25.38	-	0.00	0.00	289.30	0.00	0.00	
25	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement - 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	Sqm	74.51	-	0.00	0.00	3297.81	0.00	0.00	



Sl. No.	Specifications	Unit	Approved Bill Qty	Work Executed				Upto Date Bill		Remarks
				Since Previous Bill		Present Bill		Quantity	Amount	
				Quantity	Amount	Quantity	Rate			
26	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.	Sqm	118.40	-	0.00	0.00	3517.21	0.00	0.00	
27	Artist Custom designed light art sculptures life size various postures made with use of 6mm & 8mm MS sheet metal, fabrication with description of each sculpture. Sculpture lighting with IP67 grade LED RGBW sculpture lights with profile and casing, 24V with DC drivers, waterproof enclosures, accessories, cables, metal base, platform to base holding bolts and nuts, clamps, complete installation at project site as per base platforms, light and sculpture integration. Design to build artworks, sculptor fee, Labour, transportation, installation at predefined site locations.	each	12.00	-	0.00	0.00	624418.56	0.00	0.00	
28	Artist Custom designed Light art sculpture - social media selfie photobooth made of sheet metal and wood material, duco paint finishing, engraved letters as per approved designs. Design to build artworks, transportation, artist fee, labour, installation, integration selfie lights comprising LED RGBW sculpture lights with IP67 protection, 24V, DC drivers, accessories, wires at predefined site locations.	each	1.00	-	0.00	0.00	1144767.36	0.00	0.00	
29	Artist custom designed dynamic and colourful 3D LED light Sign (NAMMA YELAHANKA) measuring 16.5 mtrs x 3 mtrs made up of trimp cap with acrylic sheet with support metal fabrication for each section for firm ground hold, IP67 grade RGBW LED signage lights with capability of creating millions of light combination, programming combinations, 24V with necessary drivers, heat dissipation body, DMX 512 control, T & I Connectors with dxm cables and splitters, strobe lights, accessories, base plates, power integration, light programming, Design for build artiles, artist fee, deployment at project site,labour, installation, transportation at predefined site locations.	each	1.00	-	0.00	0.00	5331493.80	0.00	0.00	
30	Finishing walls with water proofing cement paint of required shade. New work (Two coats applied @ 4.84 kg/10 m ²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	309.94	-	0.00	0.00	94.17	0.00	0.00	
31	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade. One coats on old work as per specifications and as per directions of Engineer in charge.	Sqm	466.08	-	0.00	0.00	88.34	0.00	0.00	
32	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kg	1654.50	-	0.00	0.00	195.13	0.00	0.00	
33	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S. tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in- Charge.	kg	210.00	-	0.00	0.00	126.20	0.00	0.00	



Sl. No.	Specifications	Unit	Approved Bill Qty		Work Executed				Upto Date Bill		Remarks
			Quantity	Amount	Present Bill		Quantity	Amount			
					Quantity	Rate					
34	Providing and laying in position Reinforced cement concrete for all Foundation walls. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality conforming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Columns) Qty Upto 125%	Cum	11.06	0.00	8.01	7992.60	87998.53	11.01	87998.53	64920.00	
	Qty Above 125%		0.45	0.00	0.00	7992.60	0.00	0.00	0.00		
35	Providing and laying in position Reinforced cement concrete for all Foundation walls. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality conforming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Lintel, Beams, Slab) Qty Upto 125%	Cum	89.34	0.00	79.51	8719.73	779020.68	89.34	779020.68	693305.00	
	Qty Above 125%		8.66	0.00	8.18	8719.73	71327.39	8.18	71327.39		
36	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members wherever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) First Floor Qty Upto 125%	kg	13040.04	0.00	13049.94	122.32	1596268.66	13049.94	1596268.66	249590.00	
	Qty Above 125%		4000.06	0.00	3975.47	122.32	486279.49	3975.47	486279.49		
37	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. First Floor	Sqm	253.80	0.00	229.52	1232.92	282979.80	229.52	282979.80		
38	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	328.59	0.00	0.00	443.66	0.00	0.00	0.00		
39	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor Qty Upto 125%	Sqm	588.90	0.00	588.90	315.51	185803.84	588.90	185803.84		
	Qty Above 125%		107.10	0.00	106.52	315.51	33608.13	106.52	33608.13		



12264.00

12264.00

38.87

Sl. No.	Specifications	Unit	Approved BOQ Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
40	Finishing walls with water proofing cement paint of required shade. New work (Two coats applied @ 4.84 kg/10 m ²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	328.59	-	0.00	0.00	95.14	0.00	0.00	0.00	
41	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade. One coats on old work as per specifications and as per directions of Engineer in charge. First Floor	Sqm	471.12	-	0.00	0.00	89.31	0.00	0.00	0.00	
42	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent	Sqm	276.16	-	0.00	0.00	3330.81	0.00	0.00	0.00	
43	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete	Sqm	108.28	-	0.00	0.00	3552.16	0.00	0.00	0.00	
44	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications First Floor Qty Upto 125%	cum	0.35	-	0.00	0.32	104503.71	33441.19	0.32	33441.19	
45	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3.6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. First Floor	Nos	3.00	-	0.00	0.00	1716.37	0.00	0.00	0.00	
46	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) First Floor	Sqm	8.97	-	0.00	0.00	5866.54	0.00	0.00	0.00	
47	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kg	2991.38	-	0.00	972.00	198.04	192494.88	972.00	192494.88	



Sl. No.	Specifications	Unit	Approved BOQ Qty	Work Executed						Remarks
				Since Previous Bill		Present Bill		Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	
48	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size - 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made).Ground Floor	Sqm	42.53	-	0.00	0.00	8370.24	0.00	0.00	
49	Providing & fixing of louvered ventilator made out of multi chambered PVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm Maximum possible size - 1000mm x 1000mm.(The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) First Floor	Sqm	10.95	-	0.00	0.00	5630.64	0.00	0.00	
50	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	kg	210.00	-	0.00	0.00	128.15	0.00	0.00	
51	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality conforming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Columns) Qty Upto 125%	Cum	11.05	-	0.00	8.01	8072.20	64658.00	11.01	88874.92
	Qty Above 125%		0.45	-	0.00		8072.20	0.00	0.00	
52	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality conforming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Lintel, Beams, Slab) Qty Upto 125%	Cum	89.55	-	0.00	78.38	8806.13	690224.00	89.55	788588.94
	Qty Above 125%		7.45	-	0.00	6.84	8806.13	60233.93	6.84	60233.93



Sl. No.	Specifications	Unit	Interim Bill		Work Executed				Remarks
			Quantity	Amount	Present Bill				
					Quantity	Rate	Amount		
53	Providing Thermo-Mechanically Treated bars of grade Fe 415 (or more than) reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members wherever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) Second Floor Qty Upto 125%	kg	13077.03	0.00	13077.03	124.26	1624951.75	1624951.75	
	Qty Above 125%			0.00	3948.38	124.26	490625.70	250181.00	
54	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m ³ and minimum compressive strength of 4.00 N/mm ² conforming to IS 2185 (Part - I) : 2005 and constructed with CM 1.4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Second Floor	Sqm	228.07	0.00	228.07	1245.54	284070.31	284070.31	
55	Providing 20 mm cement plaster of mix 1:4 (1 cement, 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	478.54	0.00	0.00	447.54	0.00	0.00	
56	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement, 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	478.54	0.00	0.00	317.45	0.00	0.00	
57	Finishing walls with water proofing cement paint of required shade. New work (Two coats applied @ 4.84 kg/10 m ²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	268.57	0.00	0.00	96.11	0.00	0.00	
58	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade. One coats on old work as per specifications and as per directions of Engineer in charge. First Floor	Sqm	478.54	0.00	0.00	90.28	0.00	0.00	
59	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement, 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	Sqm	282.82	0.00	0.00	3363.82	0.00	0.00	
60	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement, 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.	Sqm	93.02	0.00	0.00	3588.08	0.00	0.00	
61	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications First Floor	Cum	0.27	0.00	0.00	105548.29	0.00	0.00	



Sl. No.	Specifications	Unit	Approved BOQ Qty	Work Executed						Remarks	
				Since Previous Bill		Present Bill		Upto Date Bill			
				Quantity	Amount	Quantity	Rate	Amount	Quantity		Amount
62	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. First Floor	Nos	3.00	-	0.00	0.00	1733.85	0.00	0.00	0.00	
63	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) First Floor	Sqm	8.97	-	0.00	0.00	5923.82	0.00	0.00	0.00	
64	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kg	2991.38	-	0.00	972.00	199.98	194380.56	972.00	194380.56	
65	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size - 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) Ground Floor	Sqm	42.53	-	0.00	0.00	8453.73	0.00	0.00	0.00	
66	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm. Maximum possible size - 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) First Floor	Sqm	10.95	-	0.00	0.00	5685.98	0.00	0.00	0.00	
67	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer M.S. tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	kg	252.00	-	0.00	0.00	129.12	0.00	0.00	0.00	
68	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Columns)	Sqm	8.84	-	0.00	0.00	8150.84	0.00	0.00	0.00	



Sl. No.	Specifications	Bill of Materials			Work Executed			Upto Date Bill		Remarks
		Qty	Unit	Amount	Quantity	Rate	Amount	Quantity	Amount	
69	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/basalt crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layer, and compacted using needle vibrators, including all lead & lift, cost of all materials, machinery, curing and all the other appliances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Lintel, Beams, Walls)	8.00	Sqm	15.84	0.00	8892.53	0.00	0.00	0.00	
70	Providing Thermo-Mechanically Treated bars of grade Fe 500D or more steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members wherever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) First Floor	8.00	kg	3220.83	0.00	125.23	0.00	0.00	0.00	
71	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolting with special shaped washers etc. complete. Hot finished seamless type tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	8.00	kg	13882.80	0.00	161.15	0.00	0.00	0.00	
72	Supply of self supporting Metecno made Glamet 30mm thick insulated sandwich PU/F Panels for Roofing made out of CFC free factory injected Polyurethane foam in between two metal sheets. The thickness of the panel shall form 30mm outer excluding profile. The panel should be manufactured in continuous linprocess. External top sheet shall be trapezoidal sheet with 38mm crest & distance between two crest with 333.3mm pitch made out of 0.4TCT colour coated Galvanized steel having 16-20 micron primer coat	8.00	Sqm	265.06	0.00	4370.54	0.00	0.00	0.00	
73	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. First Floor	8.00	Sqm	214.80	0.00	1257.19	0.00	0.00	0.00	
74	Providing 20 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	8.00	Sqm	328.37	0.00	453.36	0.00	0.00	0.00	
75	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	8.00	Sqm	159.98	0.00	320.36	0.00	0.00	0.00	
76	Finishing walls with water proofing cement paint of required shade. New work (Two coats applied @ 4.84 kg/10 m ²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. First Floor	8.00	Sqm	328.37	0.00	97.08	0.00	0.00	0.00	



Sl. No.	Specification	Unit	Qty	Bill of Materials			Work Estimated			Upto Date Bill		Remarks
				Quantity	Amount	Rate	Quantity	Amount	Rate	Quantity	Amount	
77	Wall painting with plastic emulsion paint of approved brand and quality in 2 coats an even shade. One coat on old work as per specification and 2nd coat on new work as per specification. Engineer in charge. First Floor	Sqm	108.28	0.00	0.00	91.26	0.00	0.00	0.00	0.00	0.00	
78	Providing and laying Polished Granite stone flooring in rectangular shape and pattern in linear as well as curved pattern of the flooring of the entire area as per the architectural drawings with 18 mm thick stone tiles cut in size 300mm x 300mm x 20mm of cement mortar 1:4:11 cement. A course shall be laid and joints shall be cemented and pointing with white cement slurry cement and joints shall be cemented with including rubbing, curing and polishing etc. as specified in specification and as directed by the Engineer in Charge. First Floor	Sqm	108.28	0.00	0.00	3396.83	0.00	0.00	0.00	0.00	0.00	
79	Providing and fixing of wall cladding using 10mm thick grey granite tiles 300mm x 300mm x 20mm in size, pattern with paper joints. Grouted and cement mortar using white cement and colour pigments to match the colour of the wall cladding through pointing with sealant, making holes 10mm x 10mm in concrete in joints including cost of all materials, mortar, labour, curing etc. complete.	Sqm	108.28	0.00	0.00	3624.00	0.00	0.00	0.00	0.00	0.00	
80	Providing Honne wood frames of doors, windows, decorative windows, ventilators and other frames, wrought, framed or assembled including making plaster grooves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications First Floor	Cum	0.10	0.00	0.00	106583.16	0.00	0.00	0.00	0.00	0.00	
81	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m, including cost of materials, labour charges, complete as per specifications. First Floor	Nos	1.00	0.00	0.00	1751.32	0.00	0.00	0.00	0.00	0.00	
82	Providing and fixing in position fully panelled Honne wood shutters for doors with sashes and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and sashes 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) First Floor	Sqm	2.07	0.00	0.00	5983.04	0.00	0.00	0.00	0.00	0.00	
83	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kg	3177.00	0.00	0.00	201.93	0.00	0.00	0.00	0.00	0.00	
84	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC (Matching to RAL-9016) sections and with minimum TiO2 (Titanium Dioxide) at 6PHR with TPE (Thermo Plastic Elastomer) and lead free, gaskets - grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware & Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size - 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) Ground Floor	Sqm	48.60	0.00	0.00	8370.24	0.00	0.00	0.00	0.00	0.00	



Sl. No.	Specifications	Unit	Qty	Estimate Bill			Work Voucher			Remarks	
				Rate	Amount	Quantity	Rate	Amount	Quantity	Upto Date Bill	Amount
85	Providing & fixing of louvered ventilator made out of multi chambered UPVC (Maximum to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 60PHH with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm Maximum possible size - 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) First Floor	Sqm	19.90		0.00	0.00	8743.36	0.00	0.00		0.00
86	Supplying heavy gauge PVC conduit pipe mm dia mm thick conforming to IS 2509 with suitable size bends, metal/PVC Junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20 mm dia 2 mm thick	m	150.00	-	0.00	0.00	60.90	0.00	0.00		0.00
87	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6 Way	each	21.00	-	0.00	0.00	242.70	0.00	0.00		0.00
88	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 6Module	each	21.00	-	0.00	0.00	200.96	0.00	0.00		0.00
89	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6A One Way Switch	each	140.00	-	0.00	0.00	100.96	0.00	0.00		0.00
90	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6A Three Way socket	each	24.00	-	0.00	0.00	186.39	0.00	0.00		0.00
91	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 Stepped Fan Regulator Two Module	each	36.00	-	0.00	0.00	359.20	0.00	0.00		0.00
92	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694; and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet. Short point upto 3m from tapping point to out let via switch box	point	15.00	-	0.00	0.00	287.36	0.00	0.00		0.00
93	Supplying and fixing metal Fan box with Round Hook.	each	36.00	-	0.00	0.00	187.36	0.00	0.00		0.00
94	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multi strand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694;confirming to latest amendments 1 mm2	m	180.00	-	0.00	0.00	21.36	0.00	0.00		0.00
95	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multi strand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694;confirming to latest amendments 1.5 mm2	m	180.00	-	0.00	0.00	30.09	0.00	0.00		0.00
96	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mountin using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting. Made out of 14 SWG M.S enclosure. Single Door 4 Way SP & N	each	7.00	-	0.00	0.00	1263.98	0.00	0.00		0.00



Work Executed											Remarks
Sl. No.	Specifications	Unit	Approved BOQ Qty	Since Previous Bill		Present Bill		Upto Date Bill			
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
97	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary wiring materials and 'C' Type curve, indicator ON/OFF, energy class B with short circuit breaking capacity of 10K and complete wiring as required conforming to IEC 60898 6-32Amps SP	each	7.00	-	0.00	0.00	508.98	0.00	0.00	0.00	
98	Supplying, fixing and wiring earthen Earth Leakage Miniature Circuit Breaker [ELMCB] 240/250V upto 300mA sensitivity on existing wood/panel board. 16-25Amps 2Pole	each	7.00	-	0.00	0.00	2903.66	0.00	0.00	0.00	
99	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C	each	3.00	-	0.00	0.00	532.00	0.00	0.00	0.00	
100	Supplying of feet -PVC Batten with integrated LED tube W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fitting 1 x 4' - 20/22 W	each	80.00	-	0.00	0.00	567.92	0.00	0.00	0.00	
101	Fixing all types and all capacities of fluorescent /false ceiling / spot light / CFL / LED fittings indoor on the wall/ ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and c/a. On wall/ ceiling / Rafter / Girders	each	80.00	-	0.00	0.00	136.88	0.00	0.00	0.00	
102	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc, for operation on 230 V, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system. 48" Sweep (1200 mm) Regular model	each	36.00	-	0.00	0.00	2380.00	0.00	0.00	0.00	
103	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 A ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	each	36.00	-	0.00	0.00	181.80	0.00	0.00	0.00	
TOTAL											7330754.68
Add GST at 18%											1319535.84
TOTAL											8650290.53



[Signature]
Assistant Engineer

Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

64,68,434 = ∞
1164,318 = ∞

₹6,32,752 = ∞